

IN THE CLAIMS:

Please amend claims 1, 9, 11-13, 15, 17-19 and 22 and add new claims 23-24 so that the claims read as follows:

1. (Currently Amended) A seating structure comprising:

a plurality of boss structures arranged in a pattern, wherein each of said boss structures has a body-facing surface, wherein said body-facing surface of at least one of said plurality of boss structures is a different size and shape than said body-facing surface of at least another of said plurality of boss structures;

a plurality of web structures joining adjacent boss structures within said pattern, wherein at least some of said web structures are non-planar, said non-planar web structures extending away from said body-facing surface of said adjacent boss structures and forming a hinge structure between adjacent boss structures, with said body-facing surface being more proximal to an occupant than said web structures when the occupant is supported by the seat structure; and

wherein at least some adjacent web structures defining said plurality of web structures are spaced apart such that said spaced apart adjacent web structures define openings therebetween.

2. (Original) The seating structure of claim 1 wherein said plurality of boss structures and said plurality of web structures define at least in part a seat having a front portion adapted to support the thighs of a user and a rear portion adapted to support the buttock of the user, wherein at least some of said plurality of boss structures defining said rear portion have a greater surface area than at least some of said plurality of said boss structures defining said front portion.

3. (Original) The seating structure of claim 1 wherein said plurality of boss structures and said plurality of web structures define at least in part one of a seat and back.

4. (Original) The seating structure of claim 1 wherein said web structures are thinner in section than said boss structures.

5. (Original) The seating structure of claim 1 wherein said boss structures comprise a first portion defining a body-facing support surface and at least one rib extending from said first portion in a direction away from support surface.

6. (Original) The seating structure of claim 1 wherein at least some of said boss structures are connected to a frame.

7. (Original) The seating structure of claim 1 wherein at least some of said web structures are connected to a frame.

8. (Original) The seating structure of claim 1 wherein at least some of said web structures are V-shaped.

9. (Currently Amended) The seating structure of claim 1 ~~wherein each of said boss structures has a body-facing surface~~, wherein said web structures are spaced apart from said body-facing surface, with said body-facing surface being more proximal to an occupant than said web structures when the occupant is supported by the seating structure.

10. (Original) The seating structure of claim 1 further comprising a covering disposed over at least some of said plurality of boss structures and said plurality of web structures.

11. (Currently Amended) A seating structure comprising:
a plurality of boss structures arranged in a pattern, wherein each of said boss structures has a body-facing surface, wherein at least some of said boss structures are elongated and have a longitudinal extent and a lateral extent, wherein said longitudinal extent

of at least some of said boss structures is greater than said lateral extent of said at least some of said boss structures;

a plurality of web structures joining adjacent boss structures within said pattern, wherein at least some of said web structures are non-planar, said non-planar web structures extending away from said body-facing surface of said adjacent boss structures and forming a hinge structure between adjacent boss structures, with said body-facing surface being more proximal to an occupant than said web structures when the occupant is supported by the seat structure; and

wherein at least some adjacent web structures defining said plurality of web structures are spaced apart such that said spaced apart adjacent web structures define openings therebetween.

12. (Currently Amended) The seating structure of claim 11 ~~wherein each of said boss structures has a body-facing surface,~~ wherein said body-facing surfaces of at least some of said plurality of boss structures are substantially obround.

13. (Currently Amended) The seating structure of claim 11 ~~12 wherein each of said boss structures has a body-facing surface,~~ wherein said body-facing surfaces of at least some of said plurality of boss structures are substantially rectangular.

14. (Original) The seating structure of claim 13 wherein at least some of said substantially rectangular boss structures are substantially square.

15. (Currently Amended) A seating structure comprising:
a plurality of boss structures arranged in a pattern, wherein each of said boss structures has a body-facing surface;

a plurality of web structures joining adjacent boss structures within said pattern, wherein at least some of said web structures are non-planar, said non-planar web structures extending away from said body-facing surface of said adjacent boss structures and forming a

hinge structure between adjacent boss structures, with said body-facing surface being more proximal to an occupant than said web structures when the occupant is supported by the seat structure, and wherein each of said plurality of web structures have a width, wherein said width of at least some of said web structures varies along a length of said web structure; and wherein at least some adjacent web structures defining said plurality of web structures are spaced apart such that said spaced apart adjacent web structures define openings therebetween.

16. (Original) The seating structure of claim 15 wherein said width of said at least some of said web structures is greatest in a middle portion of said length of said web structure.

17. (Currently Amended) A seating structure comprising:
a plurality of boss structures arranged in a pattern;
a plurality of web structures joining adjacent boss structures within said pattern,
wherein at least some of said web structures are non-planar and wherein each of said plurality of web structures have a width, wherein said width of at least some of said web structures varies along a length of said web structure; and
wherein at least some adjacent web structures defining said plurality of web structures are spaced apart such that said spaced apart adjacent web structures define openings therebetween, and ~~The seating structure of claim 15~~ wherein said at least some of said web structures each have a hinge apex, wherein said width of said web structure is greatest at said hinge apex.

18. (Currently Amended) A seating structure comprising:
a plurality of boss structures arranged in a pattern and defining a support surface;
a plurality of web structures joining adjacent boss structures within said pattern; and
wherein at least some adjacent web structures defining said plurality of web structures are spaced apart and shaped such that said spaced apart adjacent web structures define

substantially X-shaped openings ~~therebetween~~ between said spaced apart adjacent web structures and between said adjacent boss structures joined thereto when viewed in a direction substantially perpendicular to said support surface.

19. (Currently Amended) A seating structure comprising:
a plurality of boss structures arranged in a pattern and defining a support surface;
a plurality of web structures joining adjacent boss structures within said pattern; and
wherein at least some adjacent web structures defining said plurality of web structures
are spaced apart and shaped such that said spaced apart adjacent web structures define
substantially X-shaped openings therebetween when viewed in a direction substantially
perpendicular to said support surface, and ~~The seating structure of claim 18~~ wherein said plurality of boss structure comprises at least a first boss structure have a first lateral length and a first longitudinal length, wherein at least a second boss structure has a second lateral length and a second longitudinal length, wherein said first and second lateral lengths are different and said first and second longitudinal lengths are different.

20. (Original) The seating structure of claim 19 wherein said first lateral length and said second longitudinal length are substantially the same and wherein said second laterally length and said first longitudinal length are substantially the same.

21. (Original) The seating structure of claim 20 wherein said plurality of boss structures comprises at least one third boss structure having a third longitudinal length substantially equal to said first lateral length and said second longitudinal length, and a third lateral length substantially equal to said second lateral length and said first longitudinal length.

22. (Currently Amended) A seating structure comprising:
a plurality of boss structures arranged in a pattern and defining a support surface;
a plurality of web structures joining adjacent boss structures within said pattern; and

wherein at least some adjacent web structures defining said plurality of web structures are spaced apart and shaped such that said spaced apart adjacent web structures define substantially V-shaped openings ~~therebetween~~ between said spaced apart adjacent web structures and between said adjacent boss structures joined thereto when viewed in a direction substantially perpendicular to said support surface.

23. (New) The seating structure of claim 22 wherein at least some of said web structures are non-planar and extend away from said boss structures.

24. (New) The seating structure of claim 18 wherein at least some of said web structures are non-planar and extend away from said boss structures.